

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for the recovery of gold from a leaching residue or intermediate product containing iron and sulphur, which is generated in the ~~atmospheric~~ chloride leaching of a copper sulphide raw material at atmospheric pressure, comprising leaching the gold from the residue or intermediate product in an aqueous solution of copper (II) chloride sodium chloride ~~in at atmospheric pressure conditions~~ with the aid of the bivalent copper contained in said solution and oxygen-containing gas, keeping the oxidation-reduction potential of the suspension formed at a value below 650 mV and the pH at a value of 1 - 3, whereby the iron and sulphur remain mainly undissolved; the dissolved gold is recovered and discarding the undissolved residue as waste.
2. (previously presented) A method according to claim 1, wherein the oxidation reduction potential is kept in the range of 530 - 620 mV.
3. (previously presented) A method according to claim 1, wherein the pH of the suspension is kept at a value of 1.5 - 2.5.
4. (currently amended) A method according to claim 1, wherein the amount of bivalent copper in the suspension is 40 - 100 [[g/l]] g/L.

5. (currently amended) A method according to claim 1, wherein the amount of sodium chloride in the suspension is 200 - 330 [[g/l]] g/L.
6. (previously presented) A method according to claim 1, wherein the temperature is kept in the range between 80°C and the boiling point of the suspension.
7. (previously presented) A method according to claim 1, wherein the oxygen containing gas is air.
8. (previously presented) A method according to claim 1, wherein the oxygen containing gas is oxygen-enriched air.
9. (previously presented) A method according to claim 1, wherein the oxygen containing gas is oxygen.
10. (previously presented) A method according to claim 1, wherein the dissolved gold is recovered using active carbon.
11. (previously presented) A method according to claim 1, wherein the dissolved gold is recovered by electrolysis.